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Notice of Allowability	Application No.	Applicant(s)
	10/697,511	SANDHU, GURTEJ S.
	Examiner	Art Unit
	Jeffrie R. Lund	1763
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. This communication is responsive to <u>amendment filed December 19, 2005</u> .		
2. The allowed claim(s) is/are <u>1-17</u> .		
 3. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 		
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s)		
1. ☑ Notice of References Cited (PTO-892)	5. Notice of Informal F	Patent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	 Interview Summary Paper No./Mail Da 	
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date		ment/Comment
4. Examiner's Comment Regarding Requirement for Deposit	8. Examiner's Statement	ent of Reasons for Allowance
of Biological Material	9.	
		Jeffrie R. Lund Primary Examiner Art Unit: 1763

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William A. Jividen on March 10, 2006.

The application has been amended as follows:

In the specification replace paragraph (0001) with the following paragraph (0001) This application is a divisional of currently pending Application Serial No. 10/091,938, filed March 5, 2002, now U.S. Patent 6,730,367, which related to patent application serial no. 09/998073 for Q'A Method to Provide High Flux of Point of Use Activated Reactive Species for Semiconductor Processing," filed on November 30, 2001, now U.S. Patent 7,001,481.

Claims 18 and 19 have been cancelled.

2. The following is an examiner's statement of reasons for allowance: the apparatus as claimed in claim 1, specifically, the dispenser unit adapted to expose the surface of the workpiece to a direct flow of the precursor gas for a surface reactant formation, to provide a flow of the input gas over the workpiece in a direction away from said precursor gas, and to provide the purge gas between the precursor gas and the input gas to prevent mixing of said precursor and input gases, the dispenser unit further having a pair of evacuation ports for evacuating said purge gas was not found in or

suggested by the art. The art in general teaches dispenser units that direct the flow of the precursor and input gases either parallel to each other, like those of Miller et al, US Patent 6,200,389 B1, or convergent with each other, like those of Nishizawa et al, US Patent 6,334,901. No dispenser unit was found that directs the input gas in a direction away from the precursor gas.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrie R. Lund whose telephone number is (571) 272-1437. The examiner can normally be reached on Monday-Thursday (6:30 am-6:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Parviz Hassanzadeh can be reached on (571) 272-1435. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

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Business Center (EBC) at 866-217-9197 (toll-free).

Jeffrie R. Lund Primary Examiner Art Unit 1763

JRL 3/11/06